

**Sterol-Specific Biosynthetic Pathway**

**BR-Specific Biosynthetic Pathway**

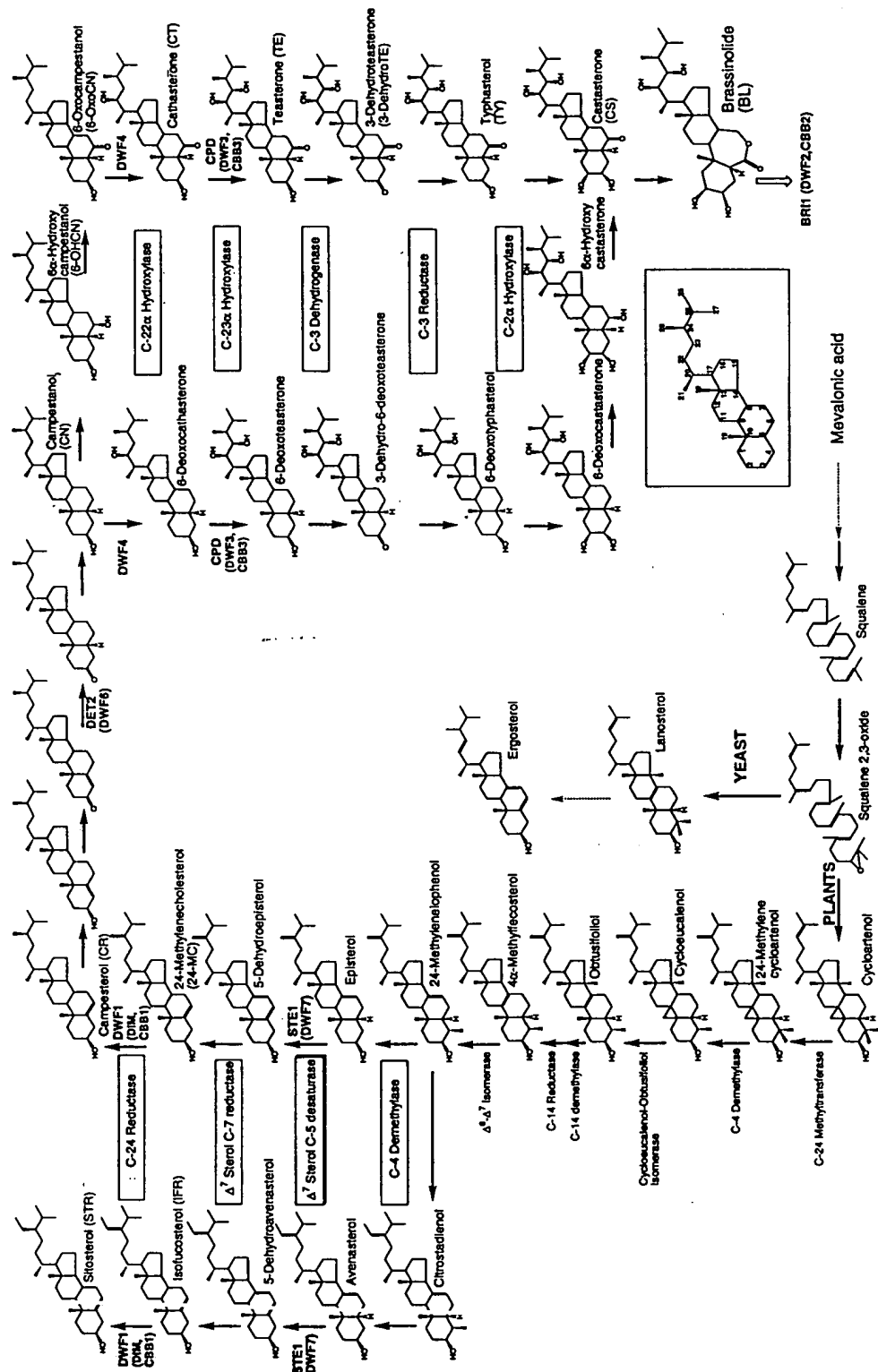


FIG. 1

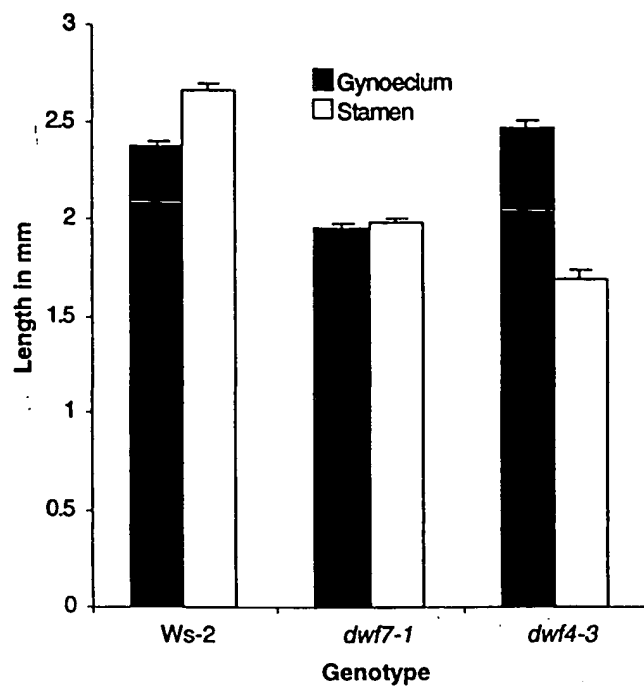


FIG. 2

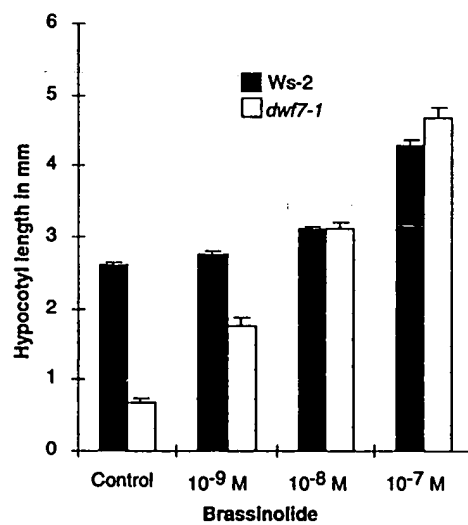


FIG. 3

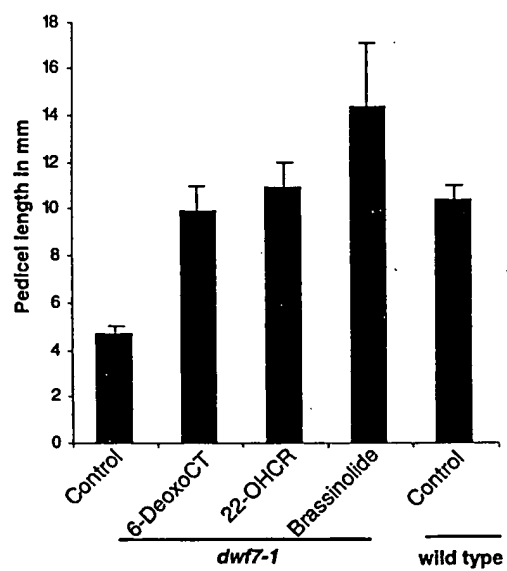
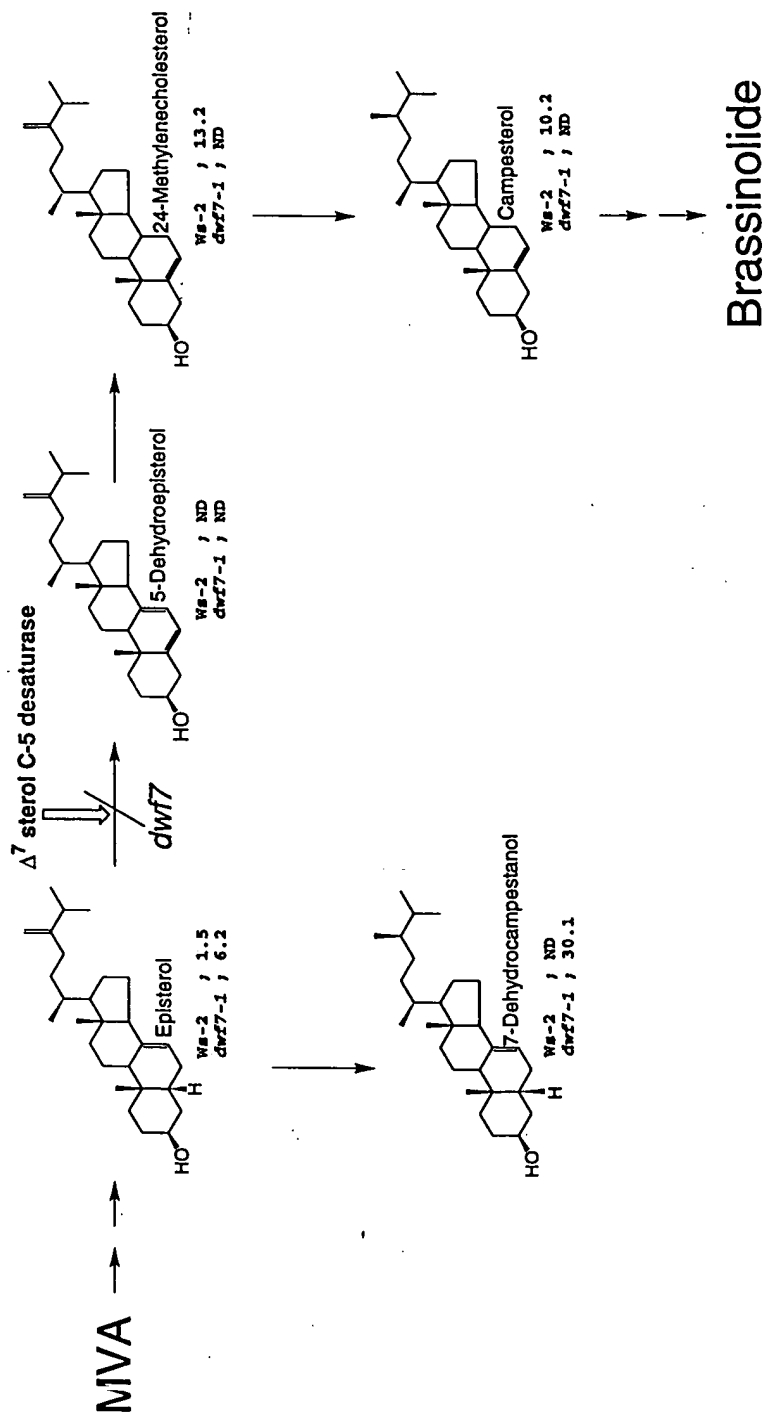


FIG. 4



**FIG. 5**

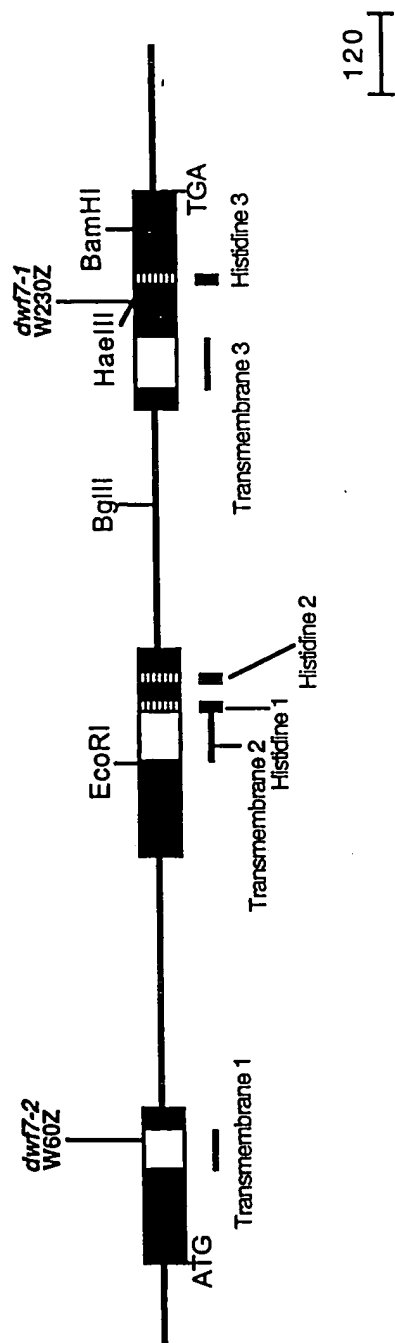


FIG. 6

*C. glabrata*  
*S. cerevisiae*  
*S. pombe*  
 DWF7/STE1  
 Consensus

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1      10      20      30      40
MDLVLETL DHYL FODVYAKIAPVELORG DQSLVNAI SLNKI VSNSTL
MDLVLEVADHYV LDDL YAKVL PASLAANI PVKWOKL LGLNSGFSNSTL
MDVVLQYADKYV FDTF YGKI - - - - AESFDSG - SSFA-NTAV-NSI-
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
mdlvie-adhyvldd-yaki-p-la-id-s--l-ln--vsnst-l

50      60      70      80      90      100      110
HETLSITNSLKR VNKDVYGLT PFLFDF-TEKTY- - - - - ASLLPRNNLI R- - - EFFSLWAV
QETLNSKNAVKECRR-FYGOV PFLFDM-STTSF- - - - - ASLLPRSSIL R- - - EFLSLWVI
- - - - - AEKVN- - - - - FAI-T- - - - - SGLLDNNVWR- - - - QFTSLFLI
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-eti--n-k-vn--yg--pflldf-tetstf- - - - - sLLprnnlwr--eFlslwli

120      130      140      150      160      170
VTIVFGLLLYLITASL SYVVFVDR-TIFNHPK- - - - YLKNOMYLEIKLAVSAIPIMSLL-T
VTIFGLLLYLITASL SYVVFVDR-TIFNHPK- - - - YLKNOMYLEIKLAVSAIPIMSML-T
TWIMGTLLSYFLSASF-AMVYVDR EEARHPK- - - - FLKNOEHLELMVALKNLPGMAIL-T
NYLAGTLLYFLSGFLWC FYIYYL KINVYL-PKDAIPTIK-AMRLQMFVAMKAMPWYTLLPT
vtifg-lyi-i-asl-sy-i-fd--ifnhpk--yiKnqm-leik-Av-aiPwmslL-T

Transmembrane I dwf7-2 (W to Z)

180      190      200      210      220      230
VPWFMLELNGYSKLYVDVDWEH HGLRKLLEIYATFIFFTCGLYLAHRWLH- - WPRVYKAL
VPWFVMEELNGHSKLYMKIDYEN HGVRKLLEIYFTFIFFTCGLYLAHRWLH- - WPRVYRAL
APWFLAEIRGYGYVYDKLD- - - YGYFYLFFSIALFLLESDFLIYWIHRAHHRW- - LYAPL
VSESMIEIRGWTKCFASID- - - FGWLYFYVYIAYLVFVEFGIYWMHRELHDIKPLYKYL
vpwfm-El-Gyskly-kiD-E-hG-rklfie-atf-ftd-gly-aHrwLH--wp--YkaL

Transmembrane II His I

240      250      260      270      280      290
HKPHH- - - KWLVC TPFASHAFHPVDGYFOSLSYHVPML-PLHKISYL-LLFTFVNFWSV
HKPHH- - - KWLVC TPFASHAFHPVDGYFOSLSYHVPML-PLHKISYL-LLFTFVNFWSV
HKLHH- - - KWLVC TPFASHAFHPVDGYFOSLSYHVPML-PLHKISYL-LLFTFVNFWSV
HATHHIYNKQNTLSFAGLAFHPVDGLOAVP-LVIALFVBIHFTTHIGLLFMEA-IWTA
HkphH- - - Kwlvc tPashaFhpvDgyiQsl-yHiypl-i-Plhk-syl--LFTfvnfWlv

His II Transmembrane III

300      310      320      330      340      350
MIHDGQHMSNN- - - PVVNGTACHTVHHLFYFNNGYGOFTTLW-DRLGGSYRRP- - EDSLFDPK
MIHDGOYLSNN- - - PAVNGTACHTVHHLFYFNNGYGOFTTLW-DRLGGSYRRP- - DDSLFDPK
LIHDGKYFSNN- - - AVVNGAAMHAAHMYFNNGYGOFTTLW-DRLGGSYRRP- - DOELFDAE
NIHDCIH- - - GNIWPMV-GAGYHTIHTTYKHNGYGHY-TIWMQWFMFGLRDPLLEED- - DNK
mlHDGq--snN--pvnng-acHlvHHlyfnyNYGqitlw-DrlggSyRrP--dsifDpk

dwf7-1 (W to Z) His III

360      370      380      390
LKMD-KKIVLEKQAR-ETAAVLEVEGGDDTDRVYNTD-KKKTN
LRDAKETWDAQVK-EVEHPIKEVEGGDDNDRIYENDPNTKKNN
LRNE-KLQEQRI RFMETVQY-TVEGKD-DRTY- - - ASKKDN
- - - DSFKAE- - - - -
lr-d-kk-e-q-r-et-yi-evegdd-dr-y--d--kk-n
  
```

FIG. 7

10 20 30 40  
GAAGATCGATCAATCAATCATCAAACCTCTGTGTGCCAC

50 60 70 80 90 100  
41 ATGCATTACT ACTGTTGACT TGTTCATTA ACCTAAGTA ACATCAATCC CGCGATCTT

110 120 130 140 150 160  
101 CTITCGTTTT CCGCCACCGA TCTCGGTGGA TCTCCGATTC ACATGCCCGC CGATATGCT

MAADNA

170 180 190 200 210 220  
161 TATCTGATCC AGTTTGTGA CCAACCTCT TTTACACCC GAATCGTTCT GAGTCATCTT

Y L M Q F V D E T S F Y N R I V L S H L

230 240 250 260 270 280  
221 TTGCGGCGCA ATCTATGGA ACCCTTACCT CATTTCTCC ACACATGCT CCGAATTAC

L P A N L W E P L P H F L Q T W L R N Y

290 300 310 320 330 340  
201 CTCGCCGGA CCGTACTATA CTTCTCTCC GGTTCCTCT GGTGCTTCTA CATCTATTAC

L A G T L L Y F I S G F L W C F Y I Y Y



350 360 370 380 390 400  
341 CTTAATCA ACCTTACCT TCCCAAGCT CTCGCTTTC ACTTTGTAT TCATATTGC

L K I N V Y L P K

410 420 430 440 450 460  
401 TTAATCGCTT TCTATGTTT CGATTTTCA ATTACCGA GACCGTTTCT TCGTACTG

470 480 490 500 510 520  
461 TACAGTATT TCGATTGAT CTGGATGCT CATCTTTGCA TTTATTGAT ATTGTGCT

530 540 550 560 570 580  
521 ATTCTCCATC TACCGATTG AACCTTACT GGTATATA ACTTTTCTC CACCAATCA

590 600 610 620 630 640  
501 CAACTCGTAC ATCTTTGAG TTCAATTTT TACTGCCAT TTAGTCCAC TTAATGCTT

FIG. 8A

650 660 670 680 690 700  
 641 TGTGAGTG ATTGTCTACT TTCAGACACA TTCITTTTCT GCTTCTCTGA CACTCTGTCT  
 710 720 730 740 750 760  
 701 TAGTTTGAAA TCTTTTGG TCTGTTTGC TTCAGATCCA ATTCTTACAA TAAGGCTAT  
 770 780 790 800 810 820  
 761 CCGTTTGCAA ATGTTTGGC CAATGACGCC TATGCCATCG TACACTCTC TTCCACTGT  
 830 840 850 860 870 880  
 821 CTCCGAGCT ATGATTGAC GTGGTGGAC CAATGTTT GCTAGCATAG ACCATTCCG  
 890 900 910 920 930 940  
 881 CTGGATTCTG TATTTGTTT ACATGCCAT CTATCTGTT TTCGTTGACT TTGTTATTA  
 950 960 970 980 990 1000  
 941 TTGGATGAC AGACGCTTC ATGACATTAA CCTCTCTAT AGTATCTCC ATGCCACCA  
 1010 1020 1030 1040  
 1001 TCATATCTAC AACACGACA ATACACTCTC TCCATTGCC G  
 H I Y N K Q N T L S P F A

FIG. 8B



[illegible]

1630 1640 1650 1660 1670 1680  
 1621 CCATATGGAT CCATTGGATG TTGGCTCTC TTAGGGATCC TCTTTAGAA GAGATGACA  
 T I M H D M H F G S L R D P L L E E D D  
 1690 1700 1710 1720 1730 1740  
 1681 ACAAACACAC CTTCACAAA GCAGAGTCAG AATGCCCACT TGGCTTTTGT TCTTCTGTT  
 N K D S F K K A E  
 1750 1760 1770 1780 1790 1800  
 1741 TCTCTGTGT TCTTCTGTT CAAGATTCA GCTTTCTTC TCTTTTCT TCTTCTCTT  
 1810 1820 1830 1840 1850 1860  
 1881 ATTATGTGT CTCTCTCAC CTTCACATT ATATTCTAC AACATTTCG TGTCTAGTT  
 1870 1880 1890  
 1861 AAACATGTA AATCTTTGAT CATCTTTGCA

FIG. 8D

1 MAADNAYLMQ FVDETSFYNR IVLSHLLPAN LWEPLPHFLQ TWLRNYLAGT  
51 LLYFISGFLW CFYIYYLKIN VYLPKDAIPT IKAMRLQMFV AMKAMPWYTL  
101 LPTVSESMIE RGWTKCFASI DEFGWILYFV YIAIYLVFVE FGIYWMHREL  
151 HDIKPLYKYL HATHHIYNKQ NTLSPFAGLA FHPVDGILQA VPHVIALFIV  
201 PIHFTTHIGL LFMEAIWTAN IHDCIHGNIW PVMGAGYHTI HHTTYKHNYG  
251 HYTIWMDWMF GSLRDPLLEE DDNKDSFKKA E

*FIG. 9*

2025-03-26 10:00:00

10 30 50  
 GTTTGGTATTTATTGGATGCACAGAGAGCTTCATGACATTAAGCCTCTCTATAAGTATCT  
 CAAACCATAAATAACCTACGTGTCTCTCGAAGTACTGTAATTCGGAGAGATATTCATAGA  
 70 90 110  
 CCATGCCACCCATCATATCTACAACAAGCAGAATACACTCTCTCCATTTGCCGGTAAGTG  
 GGTACGGTGGGTAGTATAGATGTTGTTCTGTTCTTATGTGAGAGAGGTAAACGGCCATTAC  
 130 150 170  
 TTTTCAGTTTGTCTTCTTTAGTTCTTGTAAGATTGGTAGCATTTAGTTTCTTACCAG  
 AAAAGTCAAACAAGAAGAAATCAAGAACATTTTCTAACCATCGTAAATCAAAGAATGGTC  
 190 210 230  
 AAAAGACTTTGTGTCAGCAGCTGCTTGTACTCCAAATCACATTTTGCATTCTTATCCATAA  
 TTTTCTGAAACAGTCGTCGACGAACATGAGGTTTAGTGTAACGTAAGGAATAGGTATT  
 250 270 290  
 AGTAACCAGAAAGGCTAGAAATTATATAAATGTCAGCTGCATTACTTCACATATGTCAGAG  
 TCATTGGTCTTTCCGATCTTAATATATTTACAGTCGACGTAATGAAGTGTATACAGTCTC  
 310 330 350  
 AGACTTCTGACTTAACCAGAGTTTAGATCTTTGTGTTTCTTCTGCTCGGACTGATT  
 TCTGAAGACTGAATTGGTCTCAAATCTAGAAACACAAAGAGAAGACCAGAGCCTGACTAA  
 370 390 410  
 GGAAATGACGAGAAGTTCTTTTATCTACTTCCCTGGAGTGTATCTTGGTTAATCCAAGGA  
 CCTTTACTGCTCTTCAAGAAAATAGATGAAGGGACCTCACATAGAACCAATTAGGTTCTCT  
 430 450 470  
 TGTGACATCTAAATATTACTTGTAACCTCCTTACGTTTTTGTGTTTACAGGGCTTGCATTCA  
 ACACTGTAGATTTATAATGAACATTGAAGGAATGCAAAAACAAATGTCCCGAACGTAAGT  
 490 510 530  
 CCCAGTAGACGGGATACTTAAGGCTGTACCGCATGTGATAGCGCTGTTATAGTGCCAATT  
 GGGTCATCTGCCCTATGAATTCCGACATGGCGTACACTATCGCGACAATATCACGGTTAA  
 550 570 590  
 CATTTCACTCATATAGGTCTTTTGTTCATGGAAGCGATATGGACGGCGAACATCCAT  
 GTAAAGTGTGAGTATATCCAGAAAACAAGTACCTTCGCTATACCTGCCGCTTGTAGGTA

FIG. 10A

610 630 650  
 GACTGCATCCATGGCAACATCTGGCCAGTAATGGGTGCAGGATACCATACGATACACCAC  
 CTGACGTAGGTACCGTTGTAGACCGGTCAATACCCACGTCCTATGGTATGCTATGTGGTG  
 670 690 710  
 ACGACATACAAGCATAACTATGGTCATTATAACCATATGGATGGATTGGATGTTTGGCTCT  
 TGCTGTATGTTTCGTATTGATACCAGTAATATGGTATACCTACCTAACCTACAAACCGAGA  
 730 750 770  
 CTTAGGGATCCTCTCTTAGAAGAAGATGACAACAAAGACAGCTTCAAGAAAGCAGAGTGA  
 GAATCCCTAGGAGAGAATCTTCTTCTACTGTTGTTTCTGTCTGAAGTTCTTTCGTCTCACT  
 790 810 830  
 GAATGCCCACTTGGGTTTTGTTCTTCTGTTTTGTCTTGTGTTGTTGTTGTTCAAAGTTTC  
 CTTACGGGTGAACCCAAAACAAGAAGACAAAACAGAACACAACAACAAGTTTCAAAG  
 850 870 890  
 AGCCTTTCTTGTTCTTTTTCTTCTTCTTCTTATTTCATGTGTCTCTCTCAACCTTTCCAAT  
 TCGGAAAGAACAAGAAAAGAAGAAGAATAAGTACACAGAGAGAGTTGGAAAGGTTA  
 910 930 950  
 TATATTGTTACAAACATTTGCTGTCTAGTTTAAAACATGTAAATGTTTGATGATCTTTGC  
 ATATAACAATGTTTGTAACGACAGATCAAATTTGTACATTTACAACTACTAGAAACG  
 970 990 1010  
 AAGACTCCATTTTTGTTTAAAGGTAAACCTTGAATCTCATAGATTGTCGATTGTTGGTATT  
 TTCTGAGGTAAAAACAAATTCATTTGGAACCTTAGAGTATCTAACAGCTAACACCATAA  
 1030 1050 1070  
 TCCATTTTTCAGGTACGGTTCGTAGACTGTAGTCTTGCTGACCAGTCCGGCTTAACCACC  
 AGGTAAAGTCCATGCCAAGACATCTGACATCAGAACGACTGGTCAGGCCGAATTGGTGG  
 1090 1110 1130  
 CCAAATTTCAAAGATCTCAcCAATCAAAATGCTGGCTGGCCCCAATATATAGATGGGCCA  
 GGTTTAAAGTTTCTAGAGTgGTTAGTTTTACGACCGACCGGGTTATATATCTACCCGGT  
 1150 1170 1190  
 GTTAATCCGTCTAGCTTTACTCTTTAGACCTACCTTAGACAGTTAGACACCTGCTAATTA  
 CAATTAGGCAGATCGAAATGAGAAATCTGGATGGAATCTGTCAATCTGTGGACGATTAAT

FIG. 10B

1210	1230	1250
ATGAGTTTCCTTTTCTTGTTTCAGCAAGTTACCTGTGTTACTTGAGAGTTGAGTTAATGG TACTCAAAGGAAAAAGAACAAGTCGTTCAATGGACACAATGAACTCTCAACTCAATTACC		
1270	1290	1310
TAGTAAACGCAATTTAACCCTTATAAGTTTAATCGTATTCAACGAATGACCCAGAGACTT ATCATTGCGTTAAATTGGGAATATTCAAATTAGCATAAGTTGCTTACTGGGTCTCTGAA		
1330	1350	1370
TAAATAAATCCATCGTAACCCTCCACTTCAAAATTCTTTTTAAAAAGTAGCAAATCATT ATTTATTTAGGTAGCATTGGGAGGTGAAGTTTAAAGAAAAATTTTCATCGTTTAGTAAA		
1390	1410	1430
AAATATTGTAAGTTTGCTTCATTTCGAAATTGTAGCTACAGATCTCAAAGCTCCTCCTGTT TTTATAACATTCAAACGAAGTAAGCTTTAACATCGATGTCTAGAGTTTCGAGGAGGACAA		
1450	1470	1490
GGCCATATCTCTCTCTAACAACGCATAGTAACACTTGACCACAGTTTGACTTCTCGGCG CCGGTATAGAGAGAGATTGTTTGCGTATCATTGTGAAGTGGTGTCAAAGTGAAGAGCCGC		
1510	1530	1550
GTTTCATGGCGGCGACTATGGCAGATTATAATGATCAGATCGTCAATGAGACCTCTTTT CAAAGTACCGCCGCTGATACCGTCTAATATTACTAGTCTAGCAGTTACTCTGGAGAAAAA M A A T M A D Y N D Q I V N E T S F Y		
1570	1590	1610
ACAACCGAAtGGTTCTGAGTCACCTTTTGCCGgTGAATCTATGGGAACCTTTACCaCATT TGTTGGCTTaCCAAGACTCAGTGGAAAACGGCcACTTAGATACCCTTGGAATGGtGTAA N R M V L S H L L P V N L W E P L P H F		
1630	1650	1670
TCCTCCAGACATGGCTCCGGAACCTCGCCGGAACATACTCTACTTCATCTCCGGCT AGGAGGTCTGTACCGAGGCCTTGATGGAGCGGCCTTTGTATGAGATGAAGTAGAGGCCGA L Q T W L R N Y L A G N I L Y F I S G F		
1690	1710	1730
TCCTCTGGTGCTTCTACATCTATTACCTTAAACTCAACGTTTACGTCCCCAAAGGTTACT AGGAGACCACGAAGATGTAGATAATGGAATTTGAGTTGCAAATGCAGGGGTTTCCAATGA L W C F Y I Y Y L K L N V Y V P K		

FIG. 10C

1750	1770	1790
TTTTTCAATTTTCGATGTTCTGTTTTGAAACCTTTCTTTTGTTGATTCCCTTCGATTGTATC AAAAAGTTAAAGCTACAAGACAAAACCTTTGGAAAGAAAACAACCTAAGGAAGCTAACATAG		
1810	1830	1850
GCCTGATAGATTGTGTTATACGTTAACCTTTTTTTCTTACTGTTACTTTTCAGTTCTTGTC CGGACTATCTAACACAATATGCAATTGGAAAAAAGAATGACAATGAAAGTCAAGAACAG		
1870	1890	1910
TTCTACTTCTCATTTAATTAGTTTTAAAGTTTTAATATTTTTGGCTAATCCACATTTTTTTA AAGATGAAGAGTAAATTAATCAAAATTTCAAATTATAAAAACCGATTAGGTGTAAAAAT		
1930	1950	1970
AGTTGAATCTTCCATGAAATTTGAGCTCAAAATATACCATGAAATTGAAATTTGTGGTTC TCAACTTAGAAGGTACTTTAAACTCGAGTTTTATATGGTACTTTAACTTTAAACACCAAG		
1990	2010	2030
TTAGTTCTATTTCTTGCTTGGTTTTCTTCTATTTTTGTGGTTAGAATCCATTCCCTACGAGA AATCAAGATAAAGAACGAACCAAAGAAGATAAAAAACCAATCTTAGGTAAGGATGCTCT E S I P T R		
2050	2070	2090
AAGGCAATGCTTTTTGCAAATATACGTGGCAATGAAGGCTATGCCTTGGTACACTCTTCTT TTCCGTTACGAAAACGTTTATATGCACCGTTACTTCCGATACGGAACCATGTGAGAAGAA K A M L L Q I Y V A M K A M P W Y T L L		
2110	2130	2150
CCAGCTGTCTCTGAGTATATGATCGAGCATGGTTGGACCAAATGTTACTCTACACTTGAC GGTCGACAGAGACTCATATACTAGCTCGTACCAACCTGGTTTACAATGAGATGTGAACTG P A V S E Y M I E H G W T K C Y S T L D		
2170	2190	2210
CATTTCAACTGGTTCCTCTGTTTCCTCTACATAGCTCTCTATCTTGTTTTAGTTGAGTTt GTAAAGTTGACCAAGGAGACAAAGGAGATGTATCGAGAGATAGAACAAAATCAACTCAa H F N W F L C F L Y I A L Y L V L V E F		
2230	2250	2270
ATGATTTATTGGGTTTCACAAAGAGCTTCATGACATTAAATTTCTCTATAAGCATCTCCAT TACTAAATAACCCAAGTGTTTCTCGAAGTACTGTAATTTAAAGAGATATTCGTAGAGGTA M I Y W V H K E L H D I K F L Y K H L H		

FIG. 10D

2290 2310 2330  
 GCTACCCATCATATGTACAACAAGCAAAACACACTCTCTCCATTTGCCGGTATGTCAAAG  
 CGATGGGTAGTATACATGTTGTTTCGTTTTGTGTGAGAGAGGTAAACGGCCATACAGTTTC  
 A T H H M Y N K Q N T L S P F A  
 2350 2370 2390  
 CTATATGTTCTCAATCTAAATTCAAGAGCTTGTATCAATGGTGACTTCTTTACTTGATGT  
 GATATACAAGAGTTAGATTTAAGTTCTCGAACATAGTTACCACTGAAGAAATGAAGTACA  
 2410 2430 2450  
 TTTTCGGGTTTTTCAGGGCTCGCATTCCATCCGCTGGACGGGATACCTTCAGGCTATACCGC  
 AAAAGCCCCAAAAGTCCCGAGCGTAAGGTAGGCGACCTGCCCTATGAAGTCCGATATGGCG  
 G L A F H P L D G I L Q A I P H  
 2470 2490 2510  
 ACGTGATAGCGCTGTTTATAGTGCCGATTTCATCTCATAACACATCTGAGTCTTTTGT  
 TGCATATCGCGACAAATATCACGGCTAAGTAGAGTATTGTGTAGACTCAGAAAACAAA  
 V I A L F I V P I H L I T H L S L L F L  
 2530 2550 2570  
 TGGAAGGGATATGGACAGCAAGCATCCATGATTGCATACATGGtAACATCTGGCCTATAA  
 ACCTTCCCTATACCTGTCGTTTCGTAGGTACTAACGTATGTACCaTTGTAGACCGGATATT  
 E G I W T A S I H D C I H G N I W P I M  
 2590 2610 2630  
 TGGGTGCAGGATACCATAACCATAACCATAACAACATAACAAGCATAACTATGGTCATTATa  
 ACCCACGTCCTATGGTATGGTATGTGGTATGTTGTATGTTTCGTATTGATACCAGTAATat  
 G A G Y H T I H H T T Y K H N Y G H Y T  
 2650 2670 2690  
 CCATATGGATGGaCTGGATGTTTGGCTCTCTTATGGTTCCTTTAGCAGAAAAAGACAGTT  
 GGTATACCTACCTGACCTACAAACCGAGAGAATACCAAGGAAATCGTCTTTTTCTGTCAA  
 I W M D W M F G S L M V P L A E K D S F  
 2710 2730 2750  
 TCAAGGAGAAAGAAAAGTGAGAATGTTCAATGCTCACATGTATTCTTCATATGTTGCTCT  
 AGTTCCTCTTTCTTTTCACTCTTACAAGTTACGAGTGTACATAAGAAGTATACAACGAGA  
 K E K E K \*  
 2770 2790 2810  
 TCTCGTGA CTCTTATTAAACCTTTCTAATCACTTTGGTGGAATTAAAAACATGACTGCA  
 AGAGCACTGAGAATAATTTTGGAAAGATTAGTGAAACCACCTTAATTTTTGTACTGACGT

FIG. 10E



2830 2850 2870  
TAATTTGATGCAAAGTTTCAGACTTTTATTGCTAAAAATCTCTGATGATTATTAACCTCA  
ATTAAACTACGTTTCAAAGTCTGAAAATAACGATTTTTAGAGACTACTAATAATTGGAGT  
2890 2910  
ATTATATAATTGcTGGATGAAGAGTTCAAATTTGGACTAAATCTG  
TAATATATTAACgACCTACTTCTCAAGTTTAAACCTGATTTAGAC

FIG. 10F

